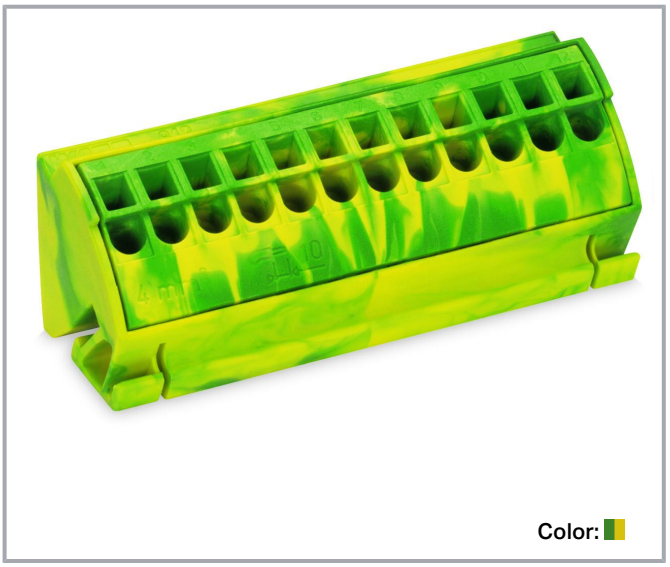
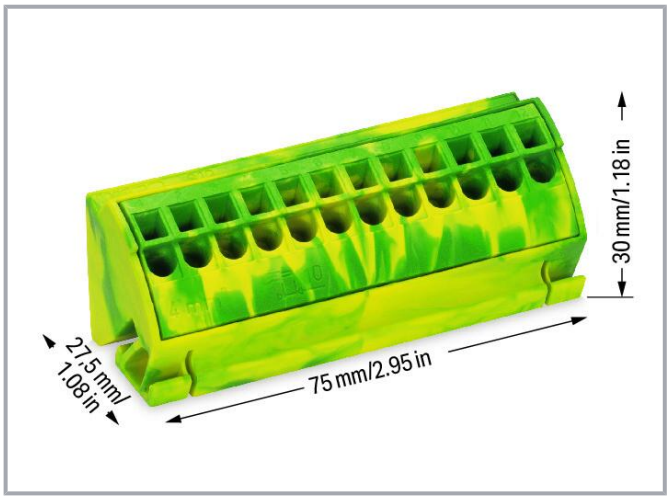
**Data sheet | Item number: 812-100**

# Ground busbar terminal block; for (10 x 3) mm busbars; Push-in CAGE CLAMP®; 4,00 mm²; green-yellow

www.wago.com/812-100




## Data

## Electrical data

### Ratings per IEC/EN

| | |
|---|---|
| Legend (ratings) | |

### Connection data

| | |
|---|---|
| Connection points | 12 |
| Total number of potentials | 1 |
| Number of levels | 1 |

### Connection 1

| | |
|---|---|
| Connection technology | Push-in CAGE CLAMP® |
| Actuation type | Operating tool |
| Connectable conductor materials | Copper |
| Solid conductor | 0.5 … 4 mm² / 20 … 12 AWG |
| Solid conductor; push-in termination | 0.5 … 4 mm² / 20 … 12 AWG |

Subject to changes. Please also observe the further product documentation!

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| | |
|---|---|
| Stranded conductor | 0.5 … 4 mm² / 20 … 12 AWG |
| Fine-stranded conductor | 0.5 … 4 mm² / 20 … 12 AWG |
| Strip length | 11 mm / 0.43 inches |
| Wiring direction | Front-entry wiring |

## Physical data

| | |
|---|---|
| Width | 75 mm / 2.953 inches |
| Height | 30 mm / 1.181 inches |
| Depth | 27.5 mm / 1.083 inches |

## Material Data

| | |
|---|---|
| Note (material data) | Information on material specifications can be found here |
| Color | green-yellow |
| Material group | I |
| Insulation material | Polyamide (PA66) |
| Flammability class per UL94 | V0 |
| Fire load | 0.822 MJ |
| Weight | 35.6 g |

## Environmental requirements

| | |
|---|---|
| Continuous operating temperature | -35 … +85 °C |

## Commercial data

| | |
|---|---|
| Product Group | 12 (Matrix Patch Board) |
| eCl@ss 10.0 | 27-14-11-46 |
| eCl@ss 10.0 | 27-14-11-46 |
| ETIM 8.0 | EC000001 |
| ETIM 8.0 | EC000001 |
| PU (SPU) | 10 pcs |
| Packaging type | box |
| Country of origin | PL |
| GTIN | 4044918253253 |
| Customs tariff number | 85369010000 |

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## Environmental Product Compliance

| | |
|---|---|
| RoHS Compliance Status | Compliant,No Exemption |

## Approvals / Certificates

### General approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|---|---|---|---|
| | **CCA**<br>DEKRA Certification B.V. | EN 60947 | 2160584.49 |
| | **CCA**<br>DEKRA Certification B.V. | EN 60947 | NTR NL-7153 |
| | **CSA**<br>DEKRA Certification B.V. | C22.2 No. 158 | 2131504 |
| | **UR**<br>Underwriters Laboratories Inc. | UL 1059 | E45172 |

### Declarations of conformity and manufacturer's declarations

| Logo | Approval | Additional Approval Text | Certificate name |
|---|---|---|---|
| | **EU-Declaration of Conformity**<br>WAGO GmbH & Co. KG | - | - |
| | **UK-Declaration of Conformity**<br>WAGO GmbH & Co. KG | - | - |

## Optional accessories

### Ferrule

| |
|---|
| Ferrule |

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| | | |
|---|---|---|
| | **Item no.: 216-101**<br>Ferrule; Sleeve for 0.5 mm² / AWG 22; uninsulated; electro-tin plated; silver-colored | www.wago.com/216-101 |
| | **Item no.: 216-104**<br>Ferrule; Sleeve for 1.5 mm² / AWG 16; uninsulated; electro-tin plated; silver-colored | www.wago.com/216-104 |
| | **Item no.: 216-106**<br>Ferrule; Sleeve for 2.5 mm² / AWG 14; uninsulated; electro-tin plated; silver-colored | www.wago.com/216-106 |
| | **Item no.: 216-107**<br>Ferrule; Sleeve for 4 mm² / AWG 12; uninsulated; electro-tin plated | www.wago.com/216-107 |
| | **Item no.: 216-102**<br>Ferrule; Sleeve for 0.75 mm² / AWG 20; uninsulated; electro-tin plated; silver-colored | www.wago.com/216-102 |
| | **Item no.: 216-103**<br>Ferrule; Sleeve for 1 mm² / AWG 18; uninsulated; electro-tin plated | www.wago.com/216-103 |
| | **Item no.: 216-110**<br>Ferrule; Sleeve for 16 mm² / AWG 6; uninsulated; electro-tin plated; brown metallic | www.wago.com/216-110 |
| | **Item no.: 216-123**<br>Ferrule; Sleeve for 1 mm² / AWG 18; uninsulated; electro-tin plated; silver-colored | www.wago.com/216-123 |
| | **Item no.: 216-122**<br>Ferrule; Sleeve for 0.75 mm² / AWG 20; uninsulated; electro-tin plated; silver-colored | www.wago.com/216-122 |
| | **Item no.: 216-124**<br>Ferrule; Sleeve for 1.5 mm² / AWG 16; uninsulated; electro-tin plated | www.wago.com/216-124 |
| | **Item no.: 216-132**<br>Ferrule; Sleeve for 0.34 mm² / AWG 24; uninsulated; electro-tin plated | www.wago.com/216-132 |
| | **Item no.: 216-121**<br>Ferrule; Sleeve for 0.5 mm² / AWG 22; uninsulated; electro-tin plated; silver-colored | www.wago.com/216-121 |
| | **Item no.: 216-131**<br>Ferrule; Sleeve for 0.25 mm² / AWG 24; uninsulated; electro-tin plated; silver-colored | www.wago.com/216-131 |
| | **Item no.: 216-152**<br>Ferrule; Sleeve for 0.34 mm² / AWG 24; uninsulated; electro-tin plated | www.wago.com/216-152 |
| | **Item no.: 216-203**<br>Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; red | www.wago.com/216-203 |
| | **Item no.: 216-206**<br>Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; blue | www.wago.com/216-206 |
| | **Item no.: 216-207**<br>Ferrule; Sleeve for 4 mm² / AWG 12; insulated; electro-tin plated; gray | www.wago.com/216-207 |
| | **Item no.: 216-202**<br>Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; gray | www.wago.com/216-202 |
| | **Item no.: 216-151** | |

Subject to changes. Please also observe the further product documentation!

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| | | |
|---|---|---|
| | Ferrule; Sleeve for 0.25 mm² / AWG 24; uninsulated; electro-tin plated | www.wago.com/216-151 |
| | **Item no.: 216-204**<br>Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; black | www.wago.com/216-204 |
| | **Item no.: 216-205**<br>Ferrule; Sleeve for 2.08 mm² / AWG 14; insulated; electro-tin plated; yellow | www.wago.com/216-205 |
| | **Item no.: 216-201**<br>Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; white | www.wago.com/216-201 |
| | **Item no.: 216-223**<br>Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; red | www.wago.com/216-223 |
| | **Item no.: 216-222**<br>Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; gray | www.wago.com/216-222 |
| | **Item no.: 216-221**<br>Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; white | www.wago.com/216-221 |
| | **Item no.: 216-224**<br>Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; black | www.wago.com/216-224 |
| | **Item no.: 216-301**<br>Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellow | www.wago.com/216-301 |
| | **Item no.: 216-321**<br>Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellow | www.wago.com/216-321 |
| | **Item no.: 216-322**<br>Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; light turquoise | www.wago.com/216-322 |
| | **Item no.: 216-302**<br>Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; light turquoise | www.wago.com/216-302 |
| **N-busbar** | | |
| Mounting accessories | | |
| | **Item no.: 210-133**<br>Busbar; tin-plated; 1000 mm long; Cu 10 mm x 3 mm; white | www.wago.com/210-133 |

## Downloads

### Documentation

**Bid Text**

| | | | |
|---|---|---|---|
| 812-100<br>X81 - Datei | 2019 年7月18 日 | xml<br>3.4 kB | Download |
| 812-100<br>docx - Datei | 2019 年7月18 日 | docx<br>15.1 kB | Download |

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### Additional Information

| | | |
|---|---|---|
| Technical Section<br>Technical explanations | pdf<br>2.2 MB | Download |

## CAD/CAE-Data

### CAD data

| | | |
|---|---|---|
| 2D/3D Models 812-100 | URL | Download |

### CAE data

| | | |
|---|---|---|
| EPLAN Data Portal 812-100 | URL | Download |
| WSCAD Universe 812-100 | URL | Download |
| ZUKEN Portal 812-100 | URL | Download |

## Environmental Product Compliance

### Compliance Search

| | | |
|---|---|---|
| Environmental Product Compliance 812-100<br>Ground busbar terminal block; for (10 x 3) mm busbars; Push-in CAGE CLAMP®; 4,00 mm²; green-yellow | URL | Download |

## Installation Notes

### Installation



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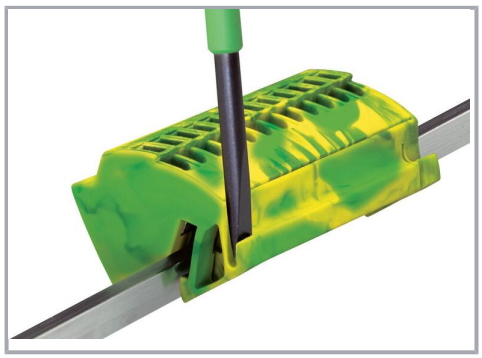
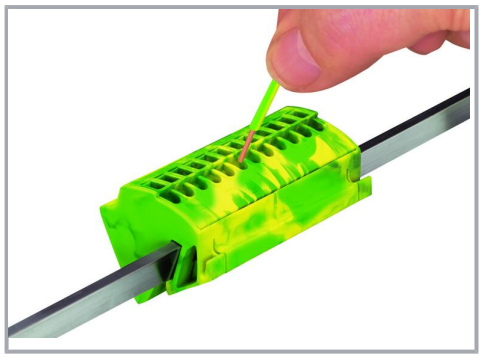


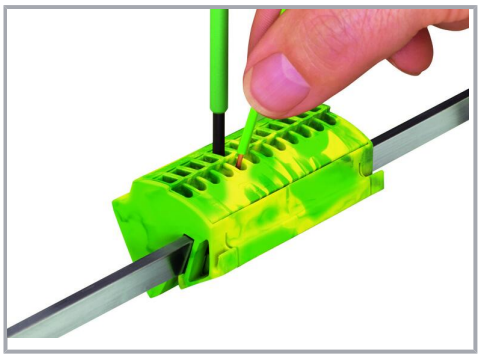
Unlock right and left positions to remove the ground busbar terminal block. Then pull up the block from the busbar.

**Conductor termination**



Conductor termination (4 mm²/12 AWG):

With Push-in CAGE CLAMP®, solid conductors can be terminated by simply pushing them into the 12 x 4 mm² busbar terminal block, significantly reducing wiring time.



Conductor removal (4 mm²/12 AWG and 16 mm²/6 AWG):

Open the clamping unit using an operating tool.

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